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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/988,622	11/20/2001	Nobuyoshi Yamamoto	P21584	8789
7055	7590	01/28/2005	EXAMINER	
GREENBLUM & BERNSTEIN, P.L.C.			PEARSON, YVETTE B	
1950 ROLAND CLARKE PLACE			ART UNIT	
RESTON, VA 20191			PAPER NUMBER	
			2144	

DATE MAILED: 01/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/988,622

Applicant(s)

YAMAMOTO, NOBUYOSHI

Examiner

Yvette Pearson

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 November 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 - 12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 - 12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-12 are presented for examination in the application.

Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No. 09/988,622 filed on November 20, 2001.

2. *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1 – 3, 5 – 7 and 9 are rejected under 35 U.S.C. 102(b) as being anticipated by Hosoe (US 6,047,376).

4. As per Claims 1 and 2, Hosoe teaches a Client Server communication system whereby an IP connection terminal ([Client] Figure 1, #2) establishes communication between each of a plurality of IP connection terminals ([Network] Figure 1, #3) in which an IP connection terminal is assigned a global IP address on every connection to an internet as a receiving terminal (Column 6, Lines 41 – 49, Figure 3, #S1, S3) comprising a user registration system that registers the client authentication data (Column 5, Lines 11 – 22; Figure 1, #2); a waiting registration system that reads the authentication data

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from a waiting request packet and receives client connection in a predetermined memory area (Column 5, Lines 46 – 50; Figure #5); and an IP address notification system that sends back the IP address corresponding to the calling code of the client terminal (Column 6, Lines 65 – 67, Column 7, Lines 1 – 8; Figure 3, #S10.)

5. As per Claims 3 and 9, Hosoe teaches a Client Server communication system as described above wherein the data of the waiting request packet and the sending request packet contain customer identification data (Figure 1, #4), and the waiting registration system and address notification system are executed when the machine authentication data agrees with the previously registered user's machine authentication data (Column 6, Line 65, Column 7, Lines 1 - 8; Figure 2.)

6. As per Claims 5 - 7, Hosoe teaches a Client Server communication system wherein an IP connection terminal ([Client] Figure 1, #2) establishes communication with another IP connection terminals ([Network] Figure 1, #3) in which an IP connection terminal is assigned a global IP address in accordance with TCP/IP receiving terminal (Column 6, Lines 24 – 28) comprising a waiting registration request system (Figure 2, #31) that sends a waiting request packet of authentication data and a global IP address to a directory service server (Figure 2, #35); a calling systems that inputs a calling code of an IP connection and sends a request packet with a destination address for notification of the IP address corresponding to the calling code to the directory service server (Column 8, Lines 10 – 15; Figure 2) whereby the connection request system sends back the destination IP address from the directory service server in accordance with the demand for the sending request packet (Column 8, Lines 22 – 31; Figure 2.)

Thus, Hosoe discloses all limitations of the rejected claims; therefore Hosoe anticipates the subject matter of Claims 1 – 3, 5 – 7 and 9.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 4, 8 and 10 – 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hosoe (US 6,047,376) in view of Ayanoglu et al (US 6,058,422).
8. With respect to claims 4 and 10, Hosoe discloses a Client Server communication system whereby an IP connection terminal ([Client] Figure 1, #2) establishes communication between each of a plurality of IP connection terminals ([Network] Figure 1, #3) in which an IP connection terminal is assigned a global IP address on every connection to an internet as a receiving terminal (Column 6, Lines 41 – 49, Figure 3, #S1, S3) comprising a user registration system that registers the client authentication data (Column 5, Lines 11 – 22; Figure 1, #2); a waiting registration system that reads the authentication data from a waiting request packet and receives client connection in a predetermined memory area (Column 5, Lines 46 – 50; Figure #5); an IP address notification system that sends back the IP address corresponding to the calling code of the client terminal (Column 6, Lines 65 – 67, Column 7, Lines 1 – 8; Figure 3, #S10)

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wherein the data of the waiting request packet and the sending request packet contain customer identification data (Figure 1, #4), and the waiting registration system and address notification system are executed when the machine authentication data agrees with the previously registered user's machine authentication data (Column 6, Line 65, Column 7, Lines 1 - 8; Figure 2), but fails to specifically teach an IP connection communication system connected in a wireless fashion. However, Ayanoglu teaches a wireless internet access system wherein the wireless LAN access points communicate with the internet and are attached to the IP connection terminal (Column 5, Lines 5 - 7; Figure 3); and the message access control address is encrypted whereby such address is contained in the machine identification data ([associated address contained in the data packets] Column 5, Lines 9 - 18; Figure 3.)

Therefore, it would have been obvious to one having ordinary skill in the art having the teachings of Hosoe and Ayanoglu before one at the time of the invention to include wireless interface terminals with Hosoe's IP connection communication system. The combination would provide increased internet-accessible functionality, while maintaining connection security of data transmission.

9. With respect to claims 8, 11 and 12, Hosoe discloses a Client Server communication system whereby an IP connection terminal ([Client] Figure 1, #2) establishes communication with another IP connection terminals ([Network] Figure 1, #3) in which an IP connection terminal is assigned a global IP address in accordance with TCP/IP receiving terminal (Column 6, Lines 24 - 28) comprising a waiting registration request system (Figure 2, #31) that sends a waiting request packet of

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authentication data and a global IP address to a directory service server (Figure 2, #35); a calling systems that inputs a calling code of an IP connection and sends a request packet with a destination address for notification of the IP address corresponding to the calling code to the directory service server (Column 8, Lines 10 – 15; Figure 2) whereby the connection request system sends back the destination IP address from the directory service server in accordance with the demand for the sending request packet (Column 8, Lines 22 – 31; Figure 2), but fails to specifically teach an IP connection communication system connected in a wireless fashion. However, Ayanoglu teaches a wireless internet access system wherein the wireless LAN access points communicate with the internet and are attached to the IP connection terminal (Column 5, Lines 5 – 7; Figure 3); and the message access control address is encrypted whereby such address is contained in the machine identification data ([associated address contained in the data packets] Column 5, Lines 9 – 18; Figure 3.)

Therefore, it would have been obvious to one having ordinary skill in the art having the teachings of Hosoe and Ayanoglu before one at the time of the invention to include wireless interface terminals with Hosoe's IP connection communication system. The combination would provide increased internet-accessible functionality, while maintaining connection security of data transmission.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 6,073,175 (Tavs et al) discloses a method of supporting different service levels in a network.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yvette Pearson whose telephone number is 571 272-4227. The examiner can normally be reached on 9:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bill Cuchlinski can be reached on 571 272-3925. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



WILLIAM A. CUCHLINSKI, JR.
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3800